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L4: Entry 1 of 6

File: DWPI

Sep 20, 1994

DERWENT-ACC-NO: 1994-338549

DERWENT-WEEK: 199442

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TITLE: Alkaline disinfecting detergent for cleaning floors, walls, ventilators, etc - comprises quat. ammonium salt(s), nonionic surfactant(s), silicate(s) and a glycol type solvent

PRIORITY-DATA:

1993JP-0028461

January 26, 1993

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 06264097 A	September 20, 1994	N/A	005	C11D010/02

INT-CL (IPC): C11D 10/02; C11D 1/62; C11D 1/66; C11D 7/14; C11D 7/50; C11D 10/02

ABSTRACTED-PUB-NO: JP06264097A

BASIC-ABSTRACT:

A new alkaline disinfecting detergent contains a quat. ammonium salt(s) having at least 2 8-10C alkyl gps., a nonionic surfactant(s), a silicate(s) and a glycol type solvent(s).

USE/ADVANTAGE - The detergent has high detergency against oil, dirt and heavy dirt of foods and good disinfecting performance and is useful for cleaning ventilators, ovens, microwave ovens, floors and walls of kitchens, factories and rooms.

In an example, available quat. ammonium salts include didecyl dimethyl ammonium chloride, decyl octyl dimethyl ammonium chloride and dioctyl dimethyl ammonium chloride. Available nonionic surfactants include coconut oil fatty acid diethanol amide, alkyl dimethyl amine oxides, polyoxyethylene alkyl ethers having a 10-14C alkyl gp. and an addn. mol number of ethylene oxide of 6-10 and polyoxyethylene alkyl phenyl ethers of an addn. mol number of ethylene oxide of 5-15. Available silicates include potassium metasilicate and sodium silicate. Available glycol type solvents include ethylene glycol monoethyl ether, ethylene glycol monobutyl ether, diethylene glycol monobutyl ether, diethylene glycol monoethyl ether and diethylene glycol monoisopropyl ether.

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L5: Entry 3 of 5

File: DWPI

Jan 18, 1996

DERWENT-ACC-NO: 1996-087460

DERWENT-WEEK: 199609

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TITLE: Insecticidal emulsifiable concentrates for crops -  
contain pesticide, ester or vegetable oil solvent and  
emulsifying surfactant

INVENTOR: HENRIET, M; TARANTA, C

PRIORITY-DATA:

1994FR-0008139

July 1, 1994

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9601047 A1	January 18, 1996	F	028	A01N025/02
FR 2721800 A1	January 5, 1996	N/A	016	A01N025/04
EP 768817 A1	April 23, 1997	F	000	A01N025/02

INT-CL (IPC): A01N 25/02; A01N 25/04; A01N 53/00; A01N 25/04;  
A01N 43/30; A01N 43/54; A01N 53/00; A01N 25/02; A01N 43/24 ;  
A01N 47/18; A01N 53/00

ABSTRACTED-PUB-NO: WO 9601047A

BASIC-ABSTRACT:

New emulsifiable concentrates contain one or more active  
pesticide components, a solvent which may be an ester or a  
vegetable oil or its ester, a surfactant emulsifying system  
giving an oil-in-water emulsion when the prod. is added to  
water.

USE - The formulations are useful in agriculture, where the  
concentrates are diluted in water and spread on crops in amt.  
of 0.075-2 l / ha. all aromatic hydrocarbon solvents.

ADVANTAGE - The compsns. have a higher clearing point than  
conventional formulations, they are more easily stored, handled  
and transported and they maintain their pesticidal activity.

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**Search Results - Record(s) 1 through 1 of 1 returned.**☐ 1. Document ID: US 5580567 A

L33: Entry 1 of 1

File: DWPI

Dec 3, 1996

DERWENT-ACC-NO: 1997-033525

DERWENT-WEEK: 199823

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TITLE: Homogeneous, non-aq. adjuvant compsn. - contg. spray oil  
e.g. vegetable oil, surfactant e.g. PEG ester, and buffer, used  
for dispersion of pesticides, herbicides, or fertilisers

INVENTOR: ROBERTS, J R

## PRIORITY-DATA:

1995US-0394839

February 27, 1995

1990US-0554359

July 19, 1990

1992US-0960894

October 14, 1992

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5580567 A	December 3, 1996	N/A	009	A01N025/02

INT-CL (IPC): A01N 25/02; A01N 27/00; B01J 13/00

ABSTRACTED-PUB-NO: US 5580567A

## BASIC-ABSTRACT:

Homogeneous, non-aq. adjuvant compsn. comprises at least 1 spray oil, at least 1 surfactant and a buffer to reduce the pH to < 7. The spray oil comprises vegetable oils, fatty acids (opt. esterified or saponified) and/or their blends, fatty dimethylamides of formula RCONMe<sub>2</sub> (I), and polyisobutenes of formula Me<sub>3</sub>C(CH<sub>2</sub>CMe<sub>2</sub>)<sub>n</sub>CH=CMe<sub>2</sub> (II). The surfactant comprises fatty alkanolamides of formula R<sub>1</sub>CONRaR<sub>b</sub> (III), PEG esters of formula R<sub>2</sub>COO(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>R<sub>3</sub> (IV), silicone surfactants of formula (V), ethoxylated fatty acids of formula R<sub>7</sub>COO(CH<sub>2</sub>CH<sub>2</sub>O)<sub>p</sub>H (VI), alkanol ethoxylates of formula R<sub>8</sub>O(CH<sub>2</sub>CH<sub>2</sub>O)<sub>q</sub>H (VII), alkylphenol ethoxylates of formula (VIII), polypropylene glycols of formula HO(CHMeCH<sub>2</sub>O)<sub>t</sub>-1CHMeCH<sub>2</sub>OH (IX), amine ethoxylates of formula (X) and/or tristyrylphenol alkoxyate. ; is new: in which R = 6-18C alkyl; n = 1-50; R<sub>1</sub> = 6-25C alkyl; Ra, R<sub>b</sub> = H, CH<sub>2</sub>CH<sub>2</sub>OH, or CH<sub>2</sub>CHMeOH; R<sub>2</sub> = 2-25C alkyl; R<sub>3</sub> = 2-25C alkyl or H; m = 1-100; x = 0-5; y = 1-5; a = 3-25; b = 0-25; s = 2-4; R<sub>6</sub> = H, or 1-4C alkyl or alkoxycarbonyl; R<sub>7</sub> = 6-25C alkyl; p, q, r, h = 1-100; R<sub>8</sub> = 1-50C alkyl; R<sub>9</sub>, R<sub>10</sub> = H

or 1-20C alkyl; and R11 = 1-25C alkyl.

The adjuvant pref. contains 80-85% spray oil, 5-20% surfactant and 0.5-5% buffer, all on total wt. of the compsn. The spray has a min. of 85% unsulphonated residue value (i.e., low aromaticity). Vegetable oils are cottonseed, canola, rapeseed, peanut, sunflower, linseed, safflower, soybean, corn, olive, coconut, ot tall oil, or their mixts. Fatty esters are 6-18C, satd. or unsatd. The buffer is acetic acid, propionic acid, a mixt. of acetic acid and lactic acid, or a mixt. of acetic acid and carboxylated alcohol ethoxylate, opt. also with citric and/or glutaric acids.

USE - The adjuvant compsn. is useful for a broad range of pesticides, including insecticides, herbicides, and fungicides, also fertilisers. Their solns. in the adjuvant can be diluted with water on site in a tank to provide a spray mix with desired spray uniformity and coverage.

ADVANTAGE - The compsn. is homogeneous, without slurried or suspended matter to cause difficulties or variations in amt. used, or spray properties. The buffer maintains the pH in the required range to prevent hydrolysis of the pesticide, even on dilution with alkaline site water.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Clip Img	Image
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Term	Documents
PESTICIDE.DWPI.	3940
PESTICIDES.DWPI.	9471
SURFACTANT.DWPI.	63783
SURFACTANTS.DWPI.	22039
(2 AND PESTICIDE AND SURFACTANT).DWPI.	1

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25

Documents, starting with Document:

1

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L10: Entry 1 of 7

File: DWPI

Sep 28, 1999

DERWENT-ACC-NO: 1999-589553

DERWENT-WEEK: 200002

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TITLE: Acidic liquid crystal detergent composition

INVENTOR: BLANDIAUX, G; MONDIN, M ; YIANAKOPOULOS, G

## PRIORITY-DATA:

1998US-0097503	June 15, 1998
1989US-0411280	September 22, 1989
1991US-0726597	July 8, 1991
1993US-0096501	September 3, 1993
1994US-0334107	November 4, 1994
1996US-0611231	March 6, 1996

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5958852 A	September 28, 1999	N/A	008	C11D017/04

INT-CL (IPC): C09K 3/22; C11D 9/00; C11D 17/00; C11D 17/04

ABSTRACTED-PUB-NO: US 5958852A

## BASIC-ABSTRACT:

NOVELTY - Acidic liquid Crystal detergent composition comprises ethoxylated nonionic surfactant, citric acid, water-soluble salt of ethoxylated alkyl ether sulfate or sodium lauryl sulfate, weak base, water insoluble hydrocarbon, tripropyl glycol n-butyl ether, magnesium salt and water.

DETAILED DESCRIPTION - An acidic liquid crystal detergent composition comprises:

- (a) 1-30 wt.% of an ethoxylated nonionic surfactant containing ethylene oxide groups;
- (b) 1-5 wt.% citric acid;
- (c) 1-20 wt.% water soluble salt of an ethoxylated 8-18C alkyl ether sulfate surfactant or sodium lauryl sulfate;
- (d) 0.1-2 wt.% of a weak base selected from diethanol and triethanol amine;

(e) 0.6-10 wt.% of a water insoluble hydrocarbon selected from d-limonene, alpha pinene, beta pinene, decanol, terpeneol, 6-18C paraffins and isoparaffins;

(f) 1-30 wt.% of tripropyl glycol n-butyl ether cosurfactant;

(g) 1-10 wt.% of a magnesium salt; and

(h) water.

The composition has a storage modulus measured at 20-40 deg C, at a strain of 0.1-5% and at a frequency of 10 radians/second of at least 1 Pascal and exists as a clear liquid in one phase at 8-43 deg C and the composition has a pH of 1-4.

USE - Cleaning of hard surfaces such as plastic, vitreous and metal surfaces having shiny finish, oil stained floors, automotive engines etc.

ADVANTAGE - The composition has improved interfacial tension which improves the cleaning of hard surfaces. It exhibits good grease soil removal properties and leaves cleaned surfaces shiny without the need for rinsing/wiping. Little or no residue remain on cleaned surfaces.